

## TRANSPORTATION

"Providing the highest quality integrated transportation services for economic benefit and improved quality of life."



## TRANSPORTATION IS THE BACKBONE OF MICHIGAN'S ECONOMY

- 35% of US/Canada trade flows through Michigan
- Michigan leads all states in trading with Canada, totaling \$70.2 billion in 2011 (11.7% of all U.S./Canada trade)
- \$520 billion in freight is moved each year on Michigan's highways, rail and water ports
- Trucking accounts for 67% of all freight tonnage moved in Michigan



## TRANSPORTATION IS THE BACKBONE OF MICHIGAN'S ECONOMY

- Operation of bus transit systems contribute an estimated \$740 million to the economy each year
- Passenger rail is expected to generate between \$1.0-1.5 billion in net economic benefit annually
- Aviation contributes more than \$20 billion/year
- 80% of Michigan tourism is auto-based



## STATE TRUNKLINE SYSTEM

- MDOT has jurisdiction over:
  - 9,652 Centerline Miles
  - 31,974 Lane Miles
  - 4,704 Bridges
- MDOT's I, US and M routes carry 50% of all traffic and 65% of commercial traffic



*MDOT's responsibility includes preserving and maintaining major corridors that tie the state together...our success serves the entire population.*



## LOCAL ROADS AND STREETS

- Some 111,000 miles of local roads and streets
  - Nation's 6<sup>th</sup> largest city street system: 21,000 miles
  - Nation's 4<sup>th</sup> largest county road system: 90,000 miles
- 36,500 mile federal aid system includes some 27,000 miles under local jurisdiction
- These roads are under the jurisdiction of more than 600 different local agencies



## PASSENGER MODES

### MDOT assists:

- 78 transit and 38 specialized service agencies, providing over 98 million passenger trips per year in 83 counties
- 3 Amtrak passenger rail routes, serving over 782,000 passengers
- 5 intercity bus systems



## PASSENGER MODES (CONT.)

### MDOT assists:

- 17 commercial airports, serving over 37 million passengers
  - 209 general aviation airports
  - 4 state-owned airports MDOT oversees
- 26 railroads carrying over 60 million tons of freight per year
  - 4 of the 26 are major freight railroads
- 37 commercial ports, handling 80 million tons per year



## MICHIGAN IS A TRANSPORTATION LEADER

- Asset management
- Capital Preventive Maintenance
- Construction Quality Partnership Training
- Road Quality Forecasting System
- Context-sensitive design solutions
- Performance measurement
- Performance warranties
- Trailway development
- Local Complete Streets policies





## BUILDING PARTNERSHIPS

- Contractors/Consultants
- University Research
  - MI Tech, MSU, U of M
- Local Agencies
  - Transportation Asset Mgmt. Council
- Other State Agencies
  - Governor's Intergovernment Coordinating Committee
- Other States/Provinces
  - I-94 operations, Midwest Regional Rail Initiative
- Private Business



## PERFORMANCE & ACCOUNTABILITY

- Michigan Dashboard
- Infrastructure Dashboard
- MDOT's Scorecard
- MDOT System Measures
- Asset Management Council
- FHWA Stewardship Agreement
- Good Government in Action



[www.michigan.gov/midashboard](http://www.michigan.gov/midashboard)

[www.michigan.gov/mdot](http://www.michigan.gov/mdot)

## SAVING MONEY

- Major reorganization and innovative cost-saving measures saved \$55 million in 2011 and \$16 million in 2012
- Asset management
- Energy efficiency
- Performance measures
- Construction warranties
- Innovative contracts
- Innovative finance
- New technologies
- Partnerships

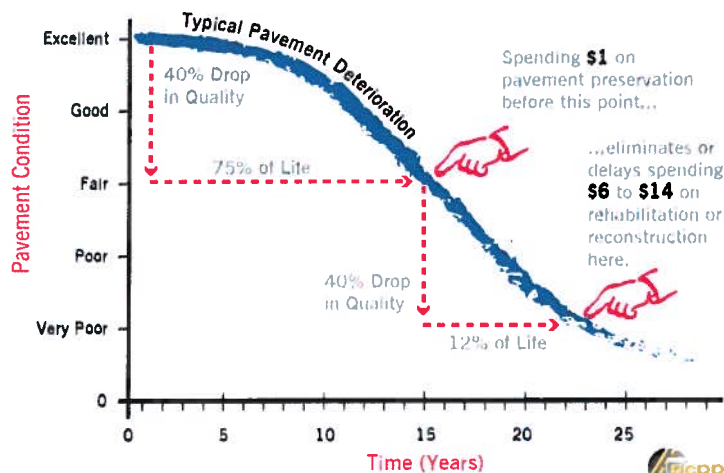


MDOT

11

## ASSET MANAGEMENT

### PAVEMENT PRESERVATION IS COST EFFECTIVE



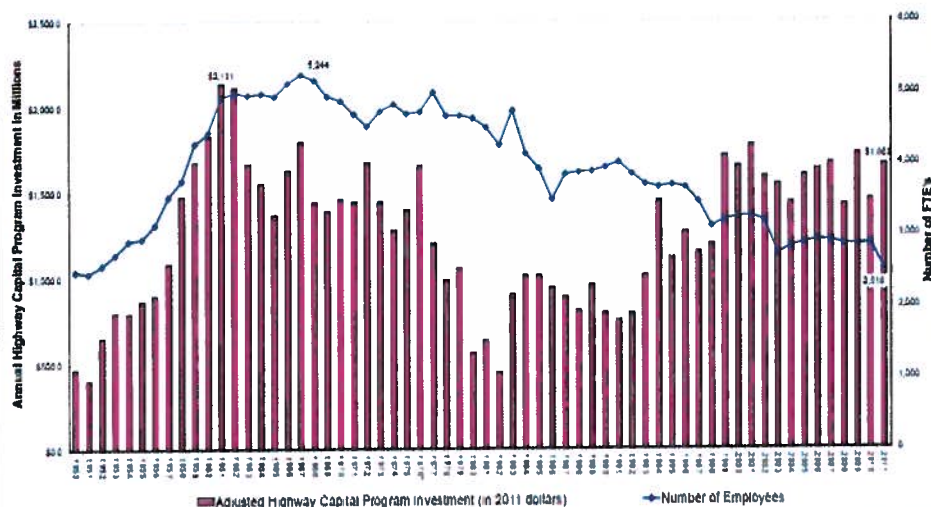
12

# CONSTRUCTION PROGRAM MANAGEMENT

Six Year Summary of MDOT Projects

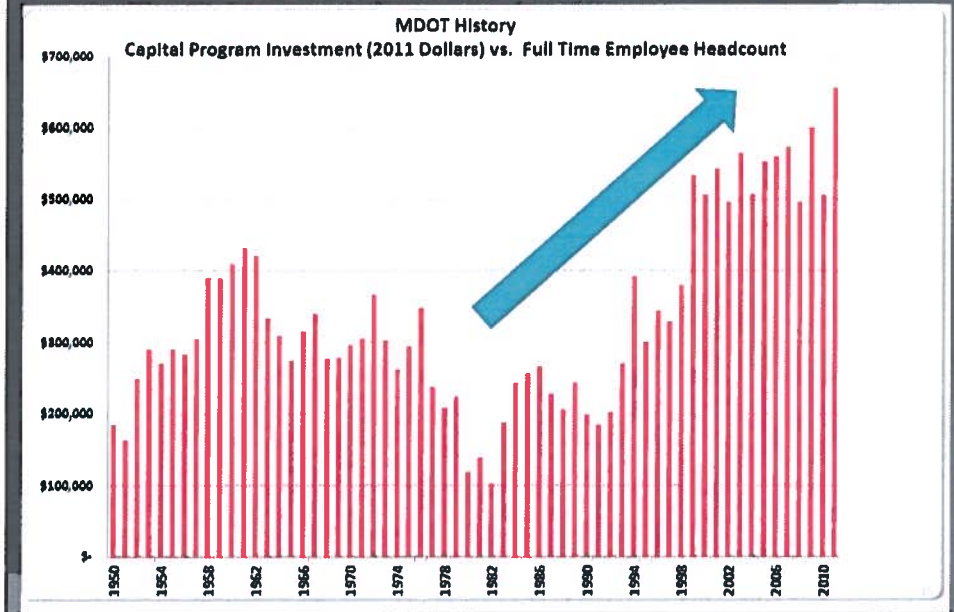
Calendar Year	Original Contract Cost	Final Contract Cost	Percent Difference
2007	\$777,582,980.29	\$810,428,814.94	4.22%
2008	\$967,285,996.11	\$983,915,828.12	1.72%
2009	\$726,981,046.84	\$750,956,601.62	3.30%
2010	\$615,818,269.64	\$615,142,561.83	-0.11%
2011	\$833,072,906.02	\$842,999,015.92	1.19%
2012	\$771,130,483.23	\$768,530,401.94	-0.34%

History of MDOT Highway Capital Program Investment  
Compared to Number of Full Time Employees





## INVESTMENT PER FTE IN 2011 IS TRENDING POSITIVELY



## THIS IS OUR GOAL...



US-31 bridge in Beulah



I-75 in Saginaw



M-55 bridge over US-131 as it joins the Cadillac bypass



US-41 roundabout in Marquette



## THIS IS OUR REALITY...



Plywood Under I-375 Bridge



Congestion at I-96 & US-23



Michigan pothole



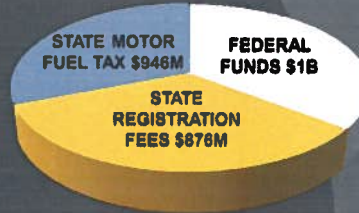
Crumbling Five Mile Road bridge  
over I-275 in Livonia

## HOW DO WE GET THERE FROM HERE?



# TRANSPORTATION FUNDING

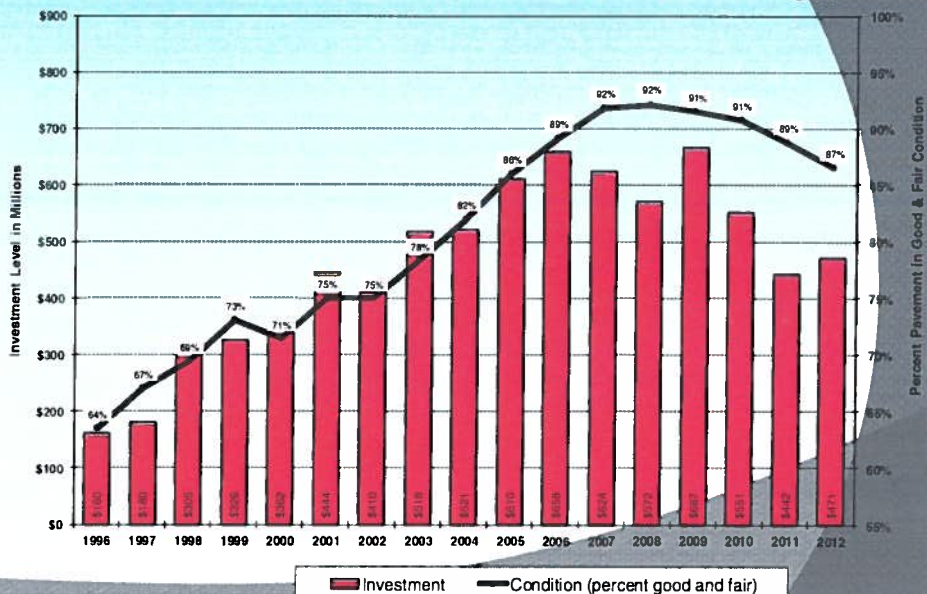
- Roads and Bridges
  - Federal funds: \$1 billion
    - Includes \$250 million for local agencies
  - State motor fuel taxes: \$946 million
  - State registration fees: \$876 million
- Bus and Rail – Federal funds, state restricted funds from fuel taxes, registrations, sales taxes and local millages (\$98 million)
- Aviation – Federal funds, state fuel taxes and registration fees (\$12.1 million)



**MIDOT**

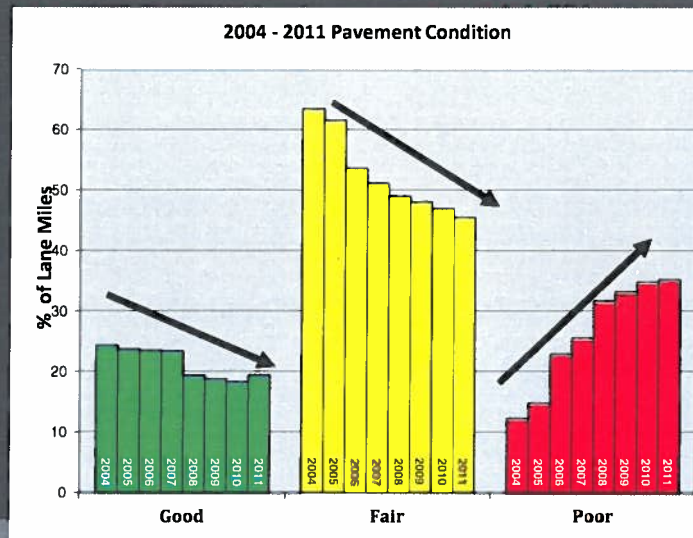
19

## PAVEMENT PROGRAM INVESTMENT LEVEL VS. ACTUAL TRUNKLINE PAVEMENT CONDITION

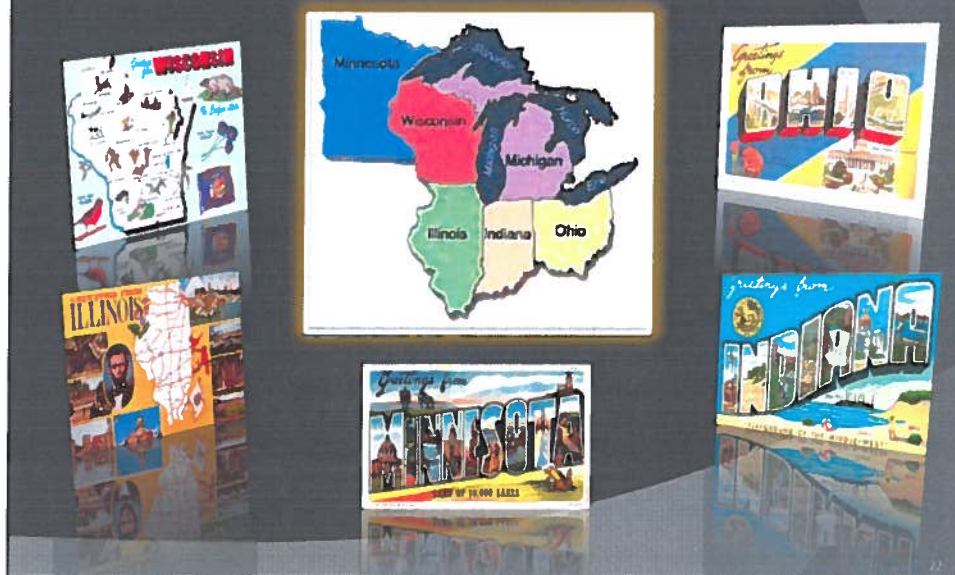


20

## WHAT IS THE CONDITION OF MICHIGAN'S ROADS?



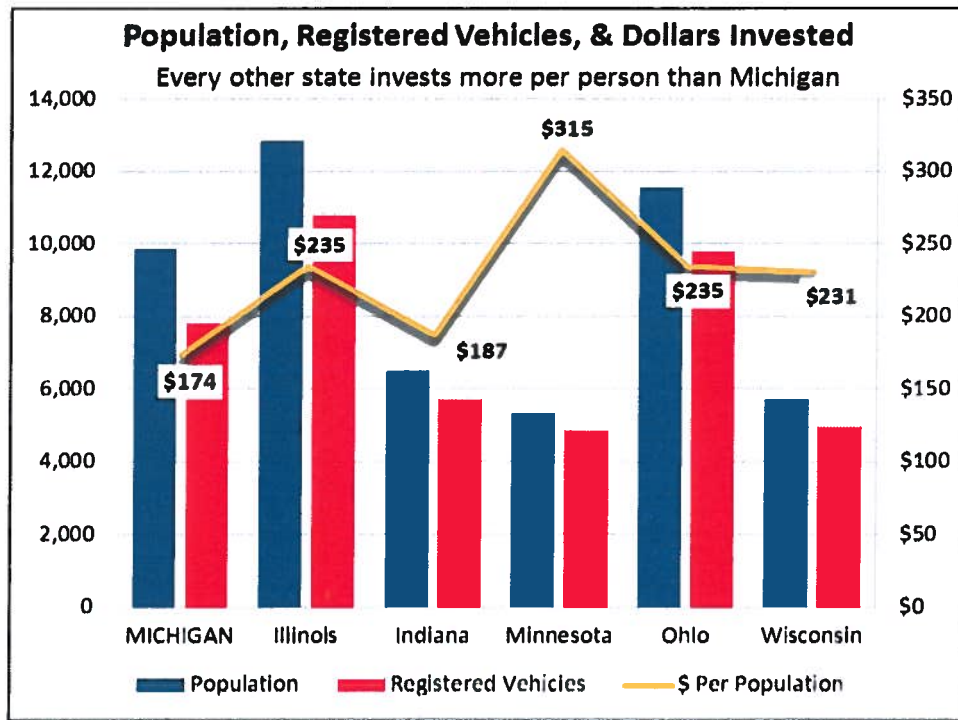
## HOW DOES MICHIGAN COMPARE?

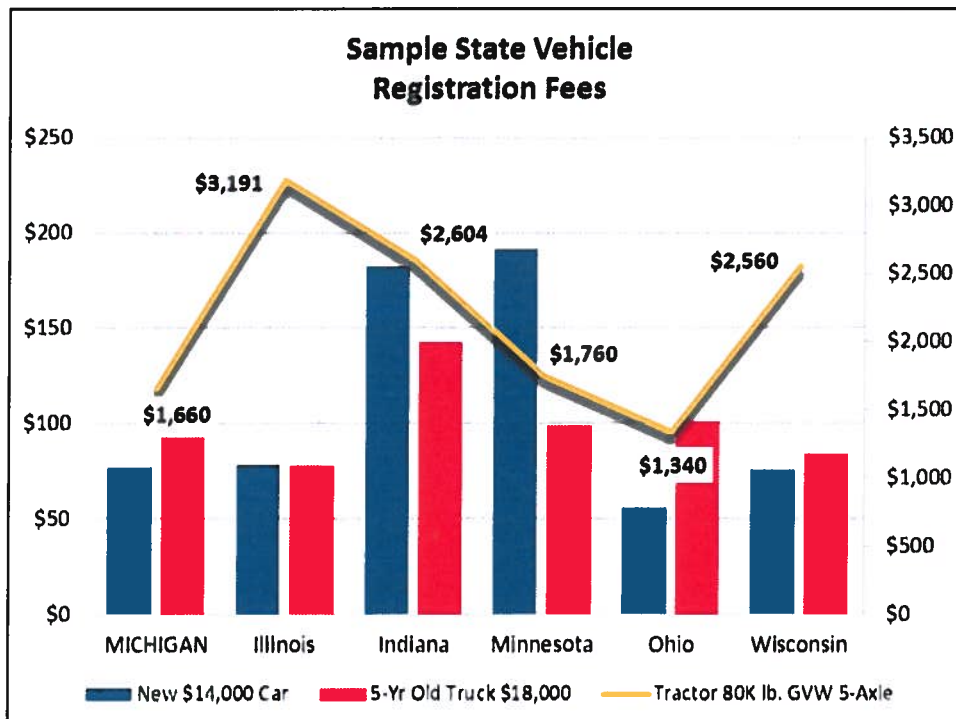
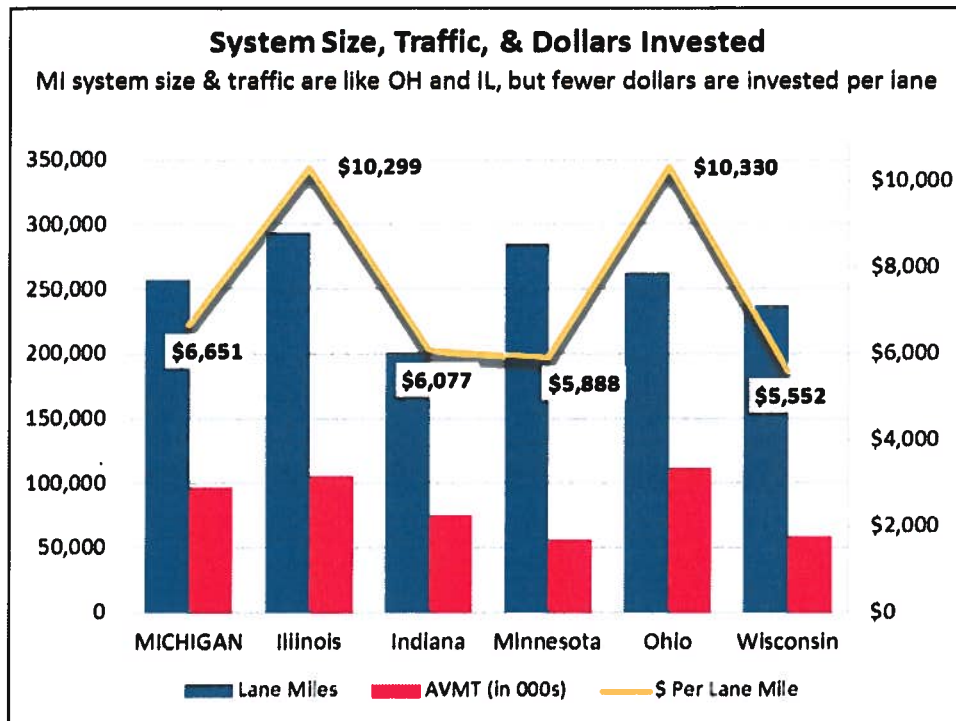


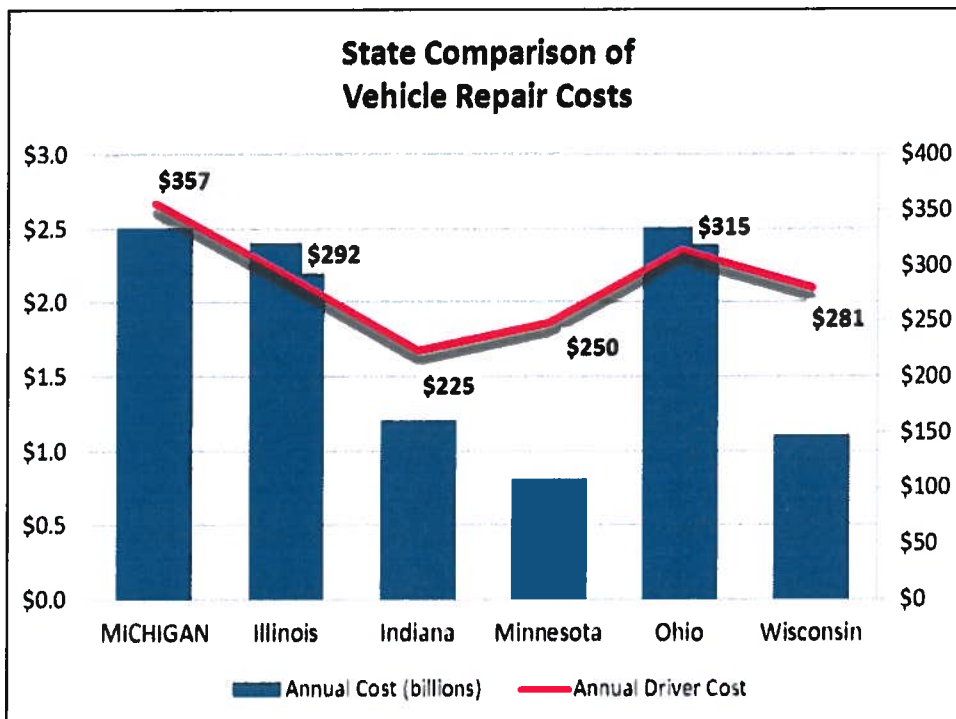
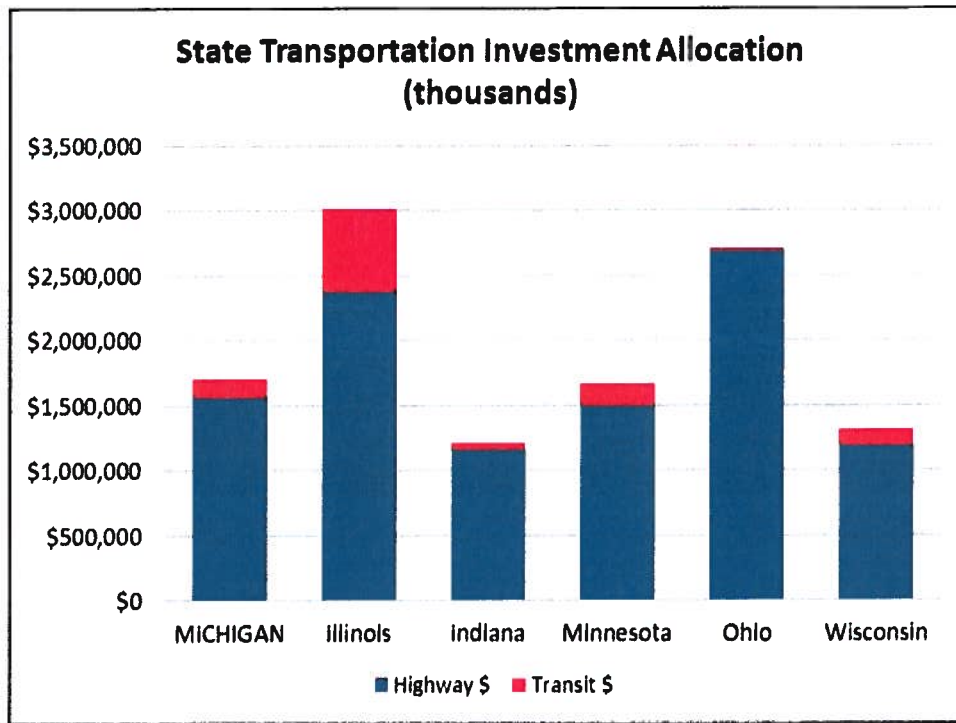


## REGIONAL COMPARISON

STATE	STATE PROFILE (thousands)				STATE INVESTMENT ALLOCATION (thousands)		
	Population	Registered Vehicles	Annual VMT	Lane Miles	Total Funding	Funding Per Pop.	Funding Per Lane Mile
<b>MICHIGAN</b>	9,834	7,822	97,567,000	257	\$1,709,199	\$174	\$6,651
Illinois	12,831	10,789	105,788,000	293	\$3,017,527	\$235	\$10,299
Indiana	6,484	5,698	75,761,000	200	\$1,215,322	\$187	\$6,077
Minnesota	5,304	4,848	56,632,000	284	\$1,672,190	\$315	\$5,888
Ohio	11,537	9,800	111,836,000	262	\$2,706,474	\$235	\$10,330
Wisconsin	5,687	4,968	59,420,000	237	\$1,315,897	\$231	\$5,552





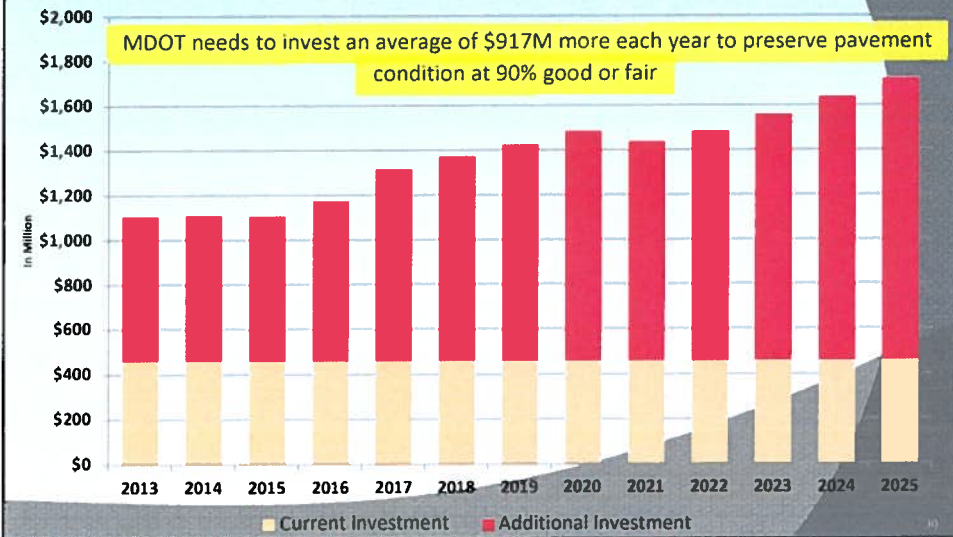


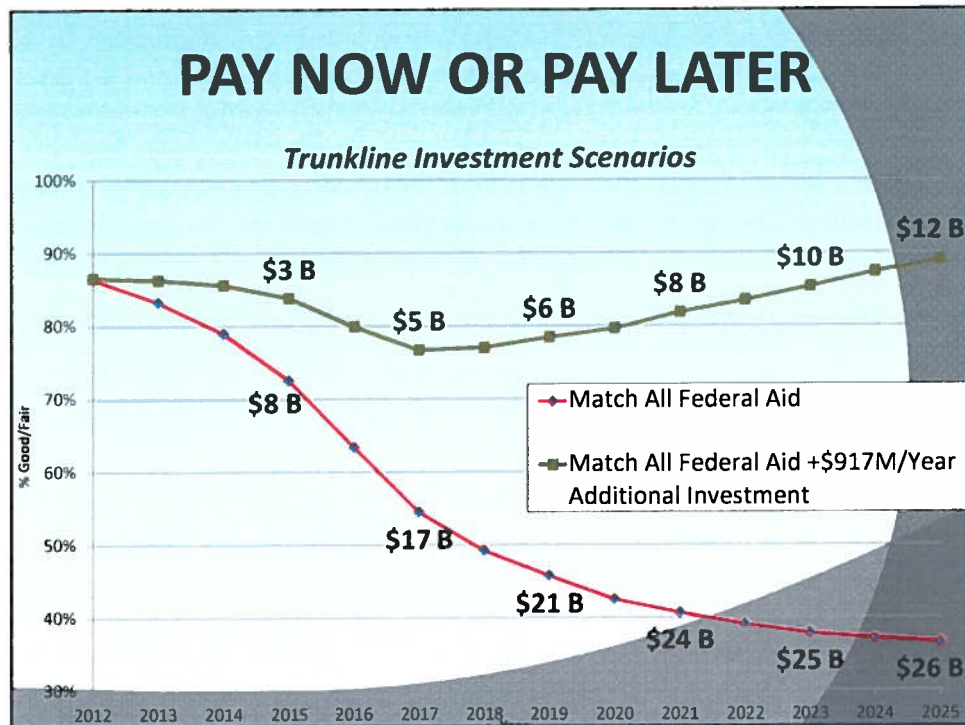


# HOW WILL MICHIGAN COMPETE?



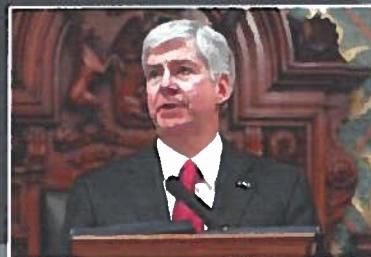
## MDOT SHORTFALL FOR PAVEMENT PRESERVATION





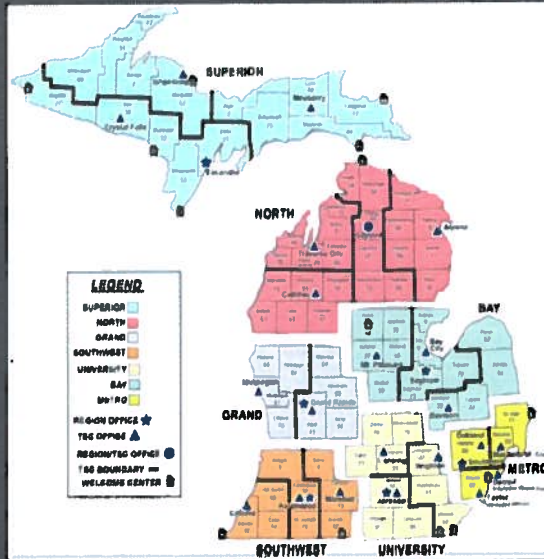
## CONSISTENT CALL FOR ACTION

- 2011 Special Message on Infrastructure
- 2011 Report "Michigan's Road Crisis: What Will It Cost to Maintain our Roads and Bridges"
- 2013 State of the State
- 2014 Budget Proposal



**MDOT**

## WE'RE POSITIONED TO SERVE...



[www.michigan.gov/mdot](http://www.michigan.gov/mdot)

## WE'RE HERE TO HELP...

### Lansing Office

425 W. Ottawa  
Lansing, MI 48933  
Phone: 517-373-2114

### North Region Office

1088 M-32 East  
Gaylord, MI 49735  
Phone: 989-731-5090

### Bay Region Office

55 E. Morley Drive  
Saginaw, MI 48601  
Phone: 989-754-7443

### Southwest Region Office

1501 E. Kilgore Road  
Kalamazoo, MI 49001  
Phone: 269-337-3900

### Grand Region Office

1420 Front Ave., N.W.  
Grand Rapids, MI 49504  
Phone: 616-451-3091

### Superior Region Office

1818 3rd Ave. North  
Escanaba, MI 49829  
Phone: 906-786-1800

### Metro Region Office

18101 W. Nine Mile Road  
Southfield, MI 48075  
Phone: 248-483-5100

### University Region Office

4701 W. Michigan Ave.  
Jackson, MI 49201  
Phone: 517-750-0401



## OTHER RESOURCES

- [www.michigan.gov/mdot](http://www.michigan.gov/mdot)
- **Facebook:** [www.facebook.com/MichiganDOT](http://www.facebook.com/MichiganDOT)
- **Twitter:** Statewide - [www.twitter.com/MichiganDOT](http://www.twitter.com/MichiganDOT)
- **YouTube:** [www.youtube.com/MichiganDOT](http://www.youtube.com/MichiganDOT)

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# Questions?

